**Area of parallelogram Practice!!! Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. **Noah’s neighbor has a has a tee shirt with a picture of a parallelogram on it. The base is 5 mm long, with a slant of 3mm and a height of 4 mm. What is the area of the parallelogram on the neighbor’s shirt? Draw the parallelogram below and determine the area.**
2. **Mrs. Kidd was wondering why a certain grade 8 student was hanging out at a store all day the other week instead of going to class. He said that he was at take our kids to work day and was spending the day at Walmart and an amazing thing happened while he was there. The store manager bought new toothbrushes that had a parallelogram design. The base was 4 cm, the height was 1 cm the slant was 1.2 cm. Draw and determine the area of the parallelogram design.**
3. **TJ and Teyan and neighbors and they have BIG plans this winter to create snows fort in their yards. Teyan thinks he will beat TJ at the snowball fight…**
4. **Teyan is going to build a parallelogram-shared fort with a base of 10 ft, height of 5 ft and slant of 6 ft. Draw and find the area of the front side of Teyan’s fort (parallelogram shaped-side)**
5. **TJ is going to build a rectangular snow for with a length of 10ft and a width of 5 feet. Draw and find the area of TJ’s snow fort.**
6. **Whose snow fort has the greater area?**
7. **Payton’s older brother who now has new shoes gave her a parallelogram-shaped guitar for no reason at all except that Payton is such a wonderful little sister. The guitar is 4 feet long. If the area of the front of Payton’s guitar is 12 ft2, what is the height of the guitar?**
8. **Josh in grade 8 is always trying to break into Mrs. Kidd’s chocolate stash. Mrs. Kidd wouldn’t give him a key to get into the room so he made a parallelogram key to pick the lock. It was made of metal and sweat and blood with a little elbow grease. It was 7.2 mm long and has an area of 14.4mm2 . What height did Josh make his key?**
9. **A) Kelci and Taylor went on a 2 month holiday to save the endangered penguins. They saw a parking lot that was a rectangle shape attached to a parallelogram shape. What a weird shaped parking lot!!! They took pictures of it to put into hang on their bedroom walls as souvenirs. Calculate the area of the parking lot.**

**↑**

**10m ↑**

**6m**

**↓ ↓**

**<---9.5m --->**

**b) If it costs $52 a square meter for Kingchair Paving company to pave the parking lot, ESTIMATE how much it would cost to get the parking lot paved?**

1. **If it costs $113 a square meter for Keeping You Company Pavers to pave the parking lot, Estimate how much would it cost to get it paved?**